10.5.2 Service Limit States C10.5.2
10.5.2.1 General C10.5.2.1

Add bullets in paragraph one as follows:

- Soil bearing pressure
- Axial compression resistance for single piles,
- Pile group compression resistance

10.5.3 Strength Limit States

10.5.3.1 General C10.5.3
C10.5.3.1
C10.5.3.2

10.5.3.2 Spread footings

Delete text as follows:

- ~~Nominal bearing resistance~~

10.5.3.3 Driven Piles

Delete text as follows: C10.5.3.3

- ~~Axial compression resistance for single piles,~~
- ~~Pile group compression resistance,~~

C10.5.3.4

10.5.3.4 Drilled Shafts

Delete text in paragraph one as follows:

- ~~Axial compression resistance for single drilled shafts~~
- ~~Shaft group compression resistance,~~

10.5.5 Resistance Factors

C10.5.5

10.5.5.2 Strength Limit States C10.5.5.2

10.5.5.2.1 General C10.5.5.2.1

10.5.5.2.2 Spread Footings

Revise Table 10.5.5.2.2-1 as follows:

METHOD/SOIL/CONDITION			RESISTANCE FACTOR
Bearing Capacity and Passive Pressure	ϕ_b	Theoretical Method – (Munfakh et al., 2001), in clay	0.50
		Theoretical Method – (Munfakh et al., 2001), in sand, using CPT	0.50
		~~Theoretical Method – (Munfakh et al., 2001), in sand, using SPT~~	~~0.45~~
		~~Semi-empirical methods (Meyerhaf, 1957), all soils~~	~~0.45~~
		~~Footings on rock~~	~~0.45~~

Revise Table 10.5.5.2.3-1 as follows:

CONDITION/RESISTANCE DETERMINATION METHOD		RESISTANCE FACTOR
Nominal Axial Resistance of Single Pile in Axial Compression—Dynamic Analysis ϕ_{dyn} and Static Load Test Methods ϕ_{stat}	~~Driving criteria established by static load test~~	~~0.70~~
	~~Driving criteria established by static load test, quality control by dynamic testing of 5% of production piles. Dynamic test calibrated by the static load test.~~	~~0.75~~
	~~Driving criteria established by static load test, quality control by dynamic testing of 15% of production piles. Dynamic test calibrated by the static load test.~~	~~0.80~~
	~~Driving criteria established by static load test, quality control by dynamic testing of 1005% of production piles. Dynamic test calibrated by the static load test.~~	~~0.85~~
	~~Driving criteria established by dynamic test with signal matching,~~	~~0.65~~
	~~Driving criteria established by dynamic test with signal matching, quality control by dynamic testing of 100% of production piles.~~	~~0.80~~
	Wave equation analysis without pile dynamic measurements	0.45
	FHWA-modified Gates dynamic pile formula	0.40
	Engineering News Record dynamic pile formula	0.10
	Skin Friction; Clay	<u>0.75</u>
	~~α-method (Tomlinson, 1987)~~	~~0.70~~
	~~β-method (Esrig & Kirby, 1979)~~	~~0.50~~
	~~λ-method (Vijayvergiya & Focht (1972)~~	~~0.55~~
	End Bearing: Clay and Rock	<u>0.75</u>
	~~Clay (Skempton, 1951)~~	~~0.70~~
	~~Rock (Canadian Geot. Society, 1985)~~	~~0.50~~
	Skin Friction and End Bearing: Sand	<u>0.75</u>
	~~SPT-method~~	~~0.45~~
	~~CPT-method~~	~~0.55~~

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Revise Table 10.5.5.2.4-1 as follows:

Table 10.5.5.2.4-1 Resistance Factors for Geotechnical Resistance of Drilled Shafts

METHOD/SOIL/CONDITION			RESISTANCE FACTOR
Nominal Axial Compressive Resistance of Single-Drilled Shafts	Side Resistance in Clay	α-method (*Reese and O'Neill 1988*)	0.45
	Tip Resistance in Clay	Total Stress (*Reese and O'Neill 1988*)	0.40
	Tip Resistance in Sand	O'Neill and Reese (1999)	0.75 ~~0.50~~
	~~Side Resistance in Rock~~	~~Carter and Kulhawy (*1988*)~~ ~~Horvath and Kenney (*1979*)~~	~~0.55~~ ~~0.65~~
	~~Base Resistance in Rock~~	~~Canadian Geotechnical Society (*1985*)~~ ~~Pressure Method (*Canadian Geotechnical Society 1985*)~~	~~0.50~~ ~~0.50~~
	~~Side Resistance and End Bearing~~	~~Load Test~~	~~0.80~~

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